



# SR 520 Bridge Replacement and HOV Program



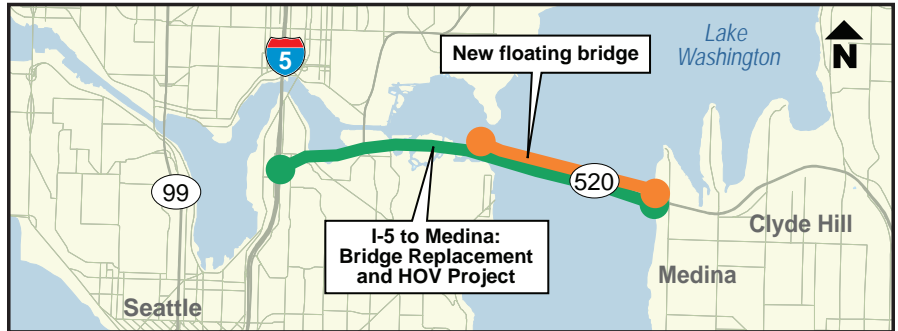
I-5 to Medina: Bridge Replacement and HOV Project

March 2012

## New SR 520 floating bridge: construction under way



Conceptual rendering of the new SR 520 floating bridge that will include new transit/HOV lanes, a new bicycle/pedestrian path and shoulders.



Vicinity map of the SR 520 Floating Bridge and Landings Project, which is the first stage of the I-5 to Medina: Bridge Replacement and HOV Project.

The SR 520 floating bridge is a critically important regional link, connecting communities, universities and job centers in Seattle and the Eastside. After nearly a half century of service, the floating section of the bridge is at risk of a catastrophic failure in a major windstorm and needs to be replaced.

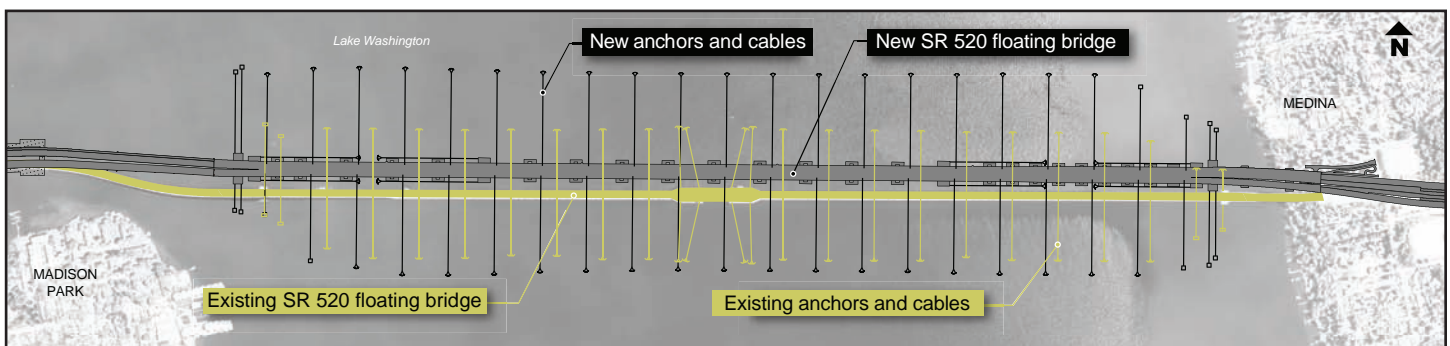
The Washington State Department of Transportation is fully funded to build a new SR 520 floating bridge that can withstand windstorms up to 89 mph, move more people and goods and allow new commuting options.

Construction on the SR 520 Floating Bridge and Landings Project is under way. Crews will replace the existing floating bridge that spans Lake Washington with a bridge that has four general-purpose lanes, two transit/HOV lanes and a bicycle/pedestrian path. This project is the first stage of the I-5 to Medina: Bridge Replacement and HOV Project.

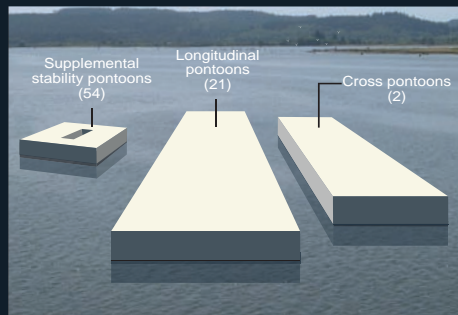
In summer 2011 we awarded a \$586.5 million design-build contract to Kiewit/General/Manson, A Joint Venture, to build the new floating bridge. We plan to open the bridge to traffic as soon as the end of 2014.

### Where will WSDOT connect the new floating bridge?

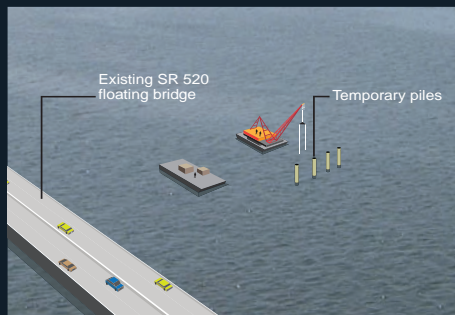
As shown below, the new floating bridge will be installed to the north of the existing bridge.



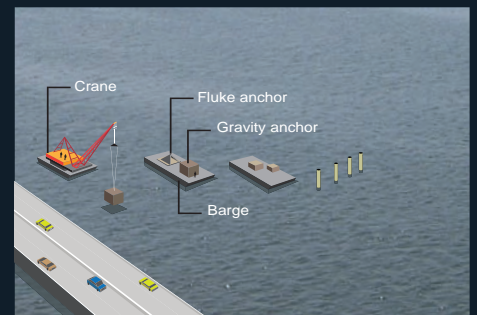
# How will WSDOT build the new SR 520 floating bridge?



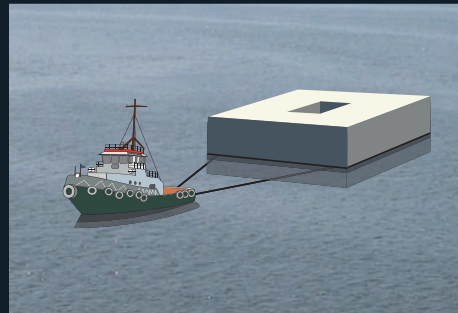
**1** Build the necessary pontoons, anchors and roadway sections in Aberdeen, Tacoma and Kenmore.



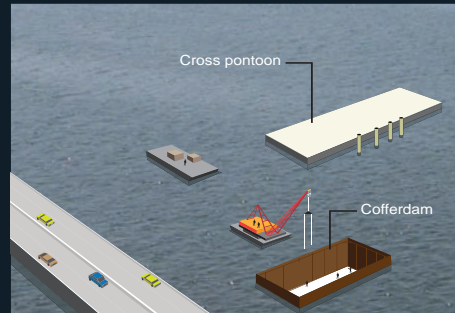
**2** Begin constructing staging area near Medina with construction barges and cranes. Drive temporary piles.



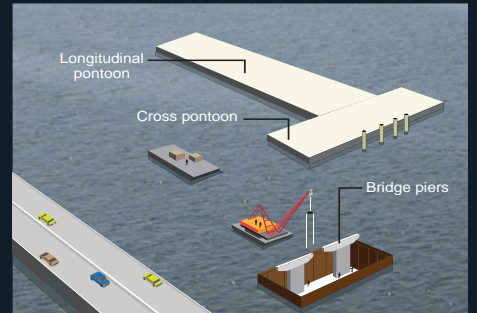
**3** Install anchors for the floating bridge.



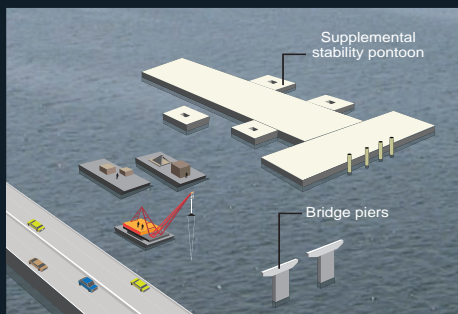
**4** Tow pontoons to Lake Washington.



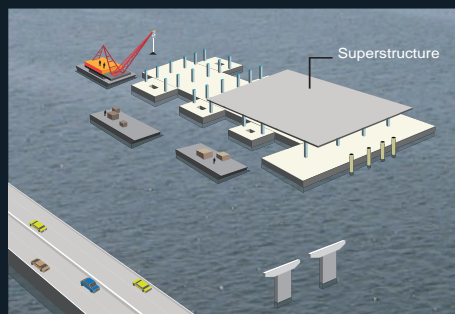
**5** Install cofferdams to build bridge piers for East Approach structure. Move cross pontoon into staging area.



**6** Build bridge piers in cofferdams and begin pontoon assembly in staging area.



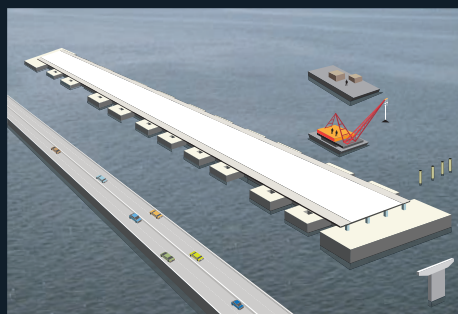
**7** Join supplemental pontoons to longitudinal pontoons at staging area.



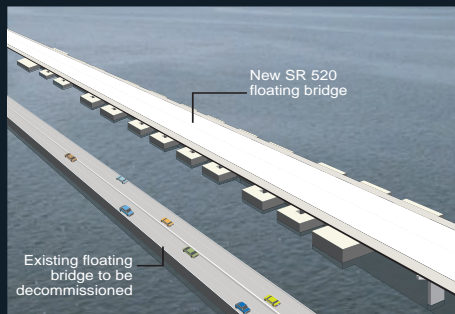
**8** Begin installation of superstructure on pontoons at staging area.



**9** Move completed pontoons into position on Lake Washington. Continue assembling pontoons in staging area.



**10** Move completed pontoons into position on Lake Washington and complete roadway superstructure.



**11** Connect new floating bridge to completed East Approach and west transition span.



**12** Shift traffic to new floating bridge. Decommission the existing bridge and remove from Lake Washington.

**Note:** Images for illustration purpose and are not to scale

## For more information

Phone: 1-888-520-NEWS (6397)

Email: [SR520Bridge@wsdot.wa.gov](mailto:SR520Bridge@wsdot.wa.gov)

SR 520 Program Website

[wsdot.wa.gov/projects/SR520Bridge](http://wsdot.wa.gov/projects/SR520Bridge)



**Americans with Disabilities Act (ADA):** Materials can be provided in alternative formats for people with disabilities by contacting Shawn Murinko at 360-705-7097 or [murinks@wsdot.wa.gov](mailto:murinks@wsdot.wa.gov). Persons who are deaf or hard of hearing may contact the Office of Equal Opportunity through the Washington Relay Service at 711.

**Title VI:** WSDOT ensures full compliance with Title VI of the Civil Rights Act of 1964 by prohibiting discrimination against any person on the basis of race, color, national origin or sex in the provision of benefits and services resulting from its federally assisted programs and activities. For questions regarding WSDOT's Title VI Program contact Jonté Sulton at 360-705-7082 or [SultonJ@wsdot.wa.gov](mailto:SultonJ@wsdot.wa.gov).